

REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 507)

PHYSICAL CHARACTERISTICS

-INSULATOR MATERIAL: THERMOPLASTIC UL94V0

-CONTACT MATERIAL: PHOSPHOR BRONZE (signal contact)
GOLD OVER NICKEL

-ACCESSORIES: STAINLESS STEEL or BRASS
Cadmium plated, yellow passivation

-SHELLS: STEEL
Cadmium plated, yellow passivation

ELECTRICAL CHARACTERISTICS

-NOMINAL CURRENT: 7.5A

-CONTACT RESISTANCE: <= 7.3 m ohms signal

-CONTACT/CONTACT : >=1000 V

-CONTACT/GROUND : >=1200 V

-INSULATION RESISTANCE: >=5000 MOhms

ENVIRONMENTAL CHARACTERISTICS

- CLIMATIC CATEGORY: 55/125/21

TEMPERATURE RANGE -55°C TO +125°C

DAMP HEAT STEADY STATE 56 DAYS

SALT SPRAY 48 HOURS

MECHANICAL CHARACTERISTICS

- RETENTION AGAINST TORQUE: - Threaded insert: 0.7 N.m minimum
- Female screw : 0.5 N.m minimum

Series

DBML13W3S043N

Shell size: **E A B C D**
see sheet 3

M :characteristic
for the DM series

Front accessory definition
see sheet 2

Blank :without accessory

O :threaded insert M3

L :threaded insert UNC 4-40

V :female screw UNC 4-40

F :floating mounting

Layout of contacts

Contacts

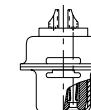
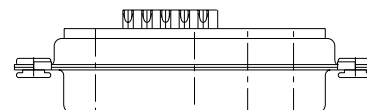
S :Socket

Plating

Blank solder bucket 500 matings/unmatings

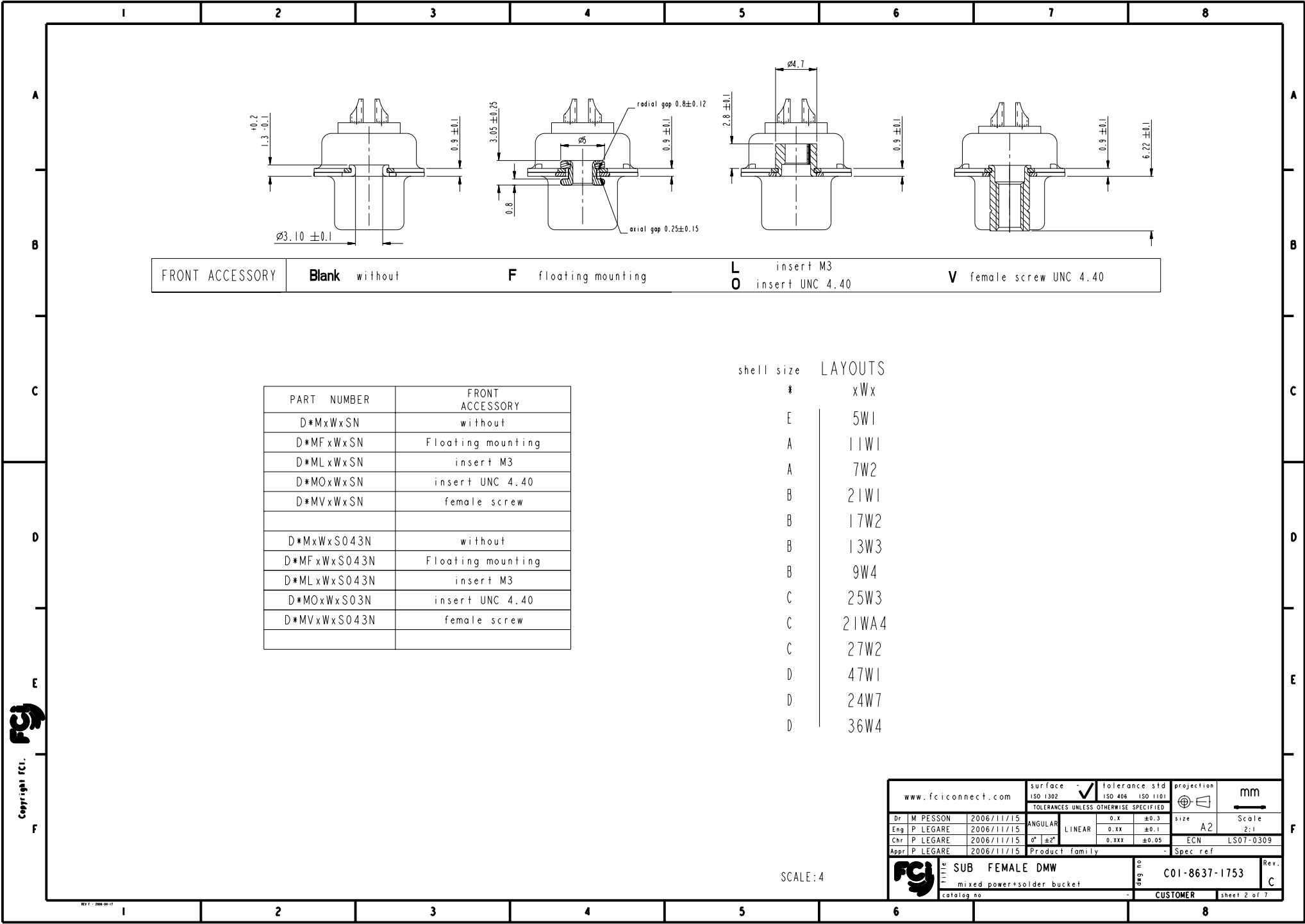
043 solder bucket 500 matings/unmatings for harsh environment

N :obligatory indication for HE 507 series



13W3 FOR EXAMPLE

www.fciconnect.com				surface - ☒ tolerance std ISO 1302 ISO 406 ISO 1101		projection 		mm 	
				TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	M	PESSON	2006/11/15	ANGULAR	LINEAR	0.X	±0.3	size	Scale
Eng	P	LEGARE	2006/11/15			0.XX	±0.1	A2	2:1
Chr	P	LEGARE	2006/11/15	0° ±2°		0.XXX	±0.05	ECN	LS07-0309
Appr	P	LEGARE	2006/11/15	Product family				- Spec ref	
				SUB FEMALE DMW		deg no		Rev.	
				mixed power+solder bucket		C01-8637-1753		C	
				catalog no		CUSTOMER		sheet 1 of 7	



FRONT ACCESSORY	Blank without	F floating mounting	L O insert M3 insert UNC 4.40	V female screw UNC 4.40
-----------------	---------------	---------------------	----------------------------------	-------------------------

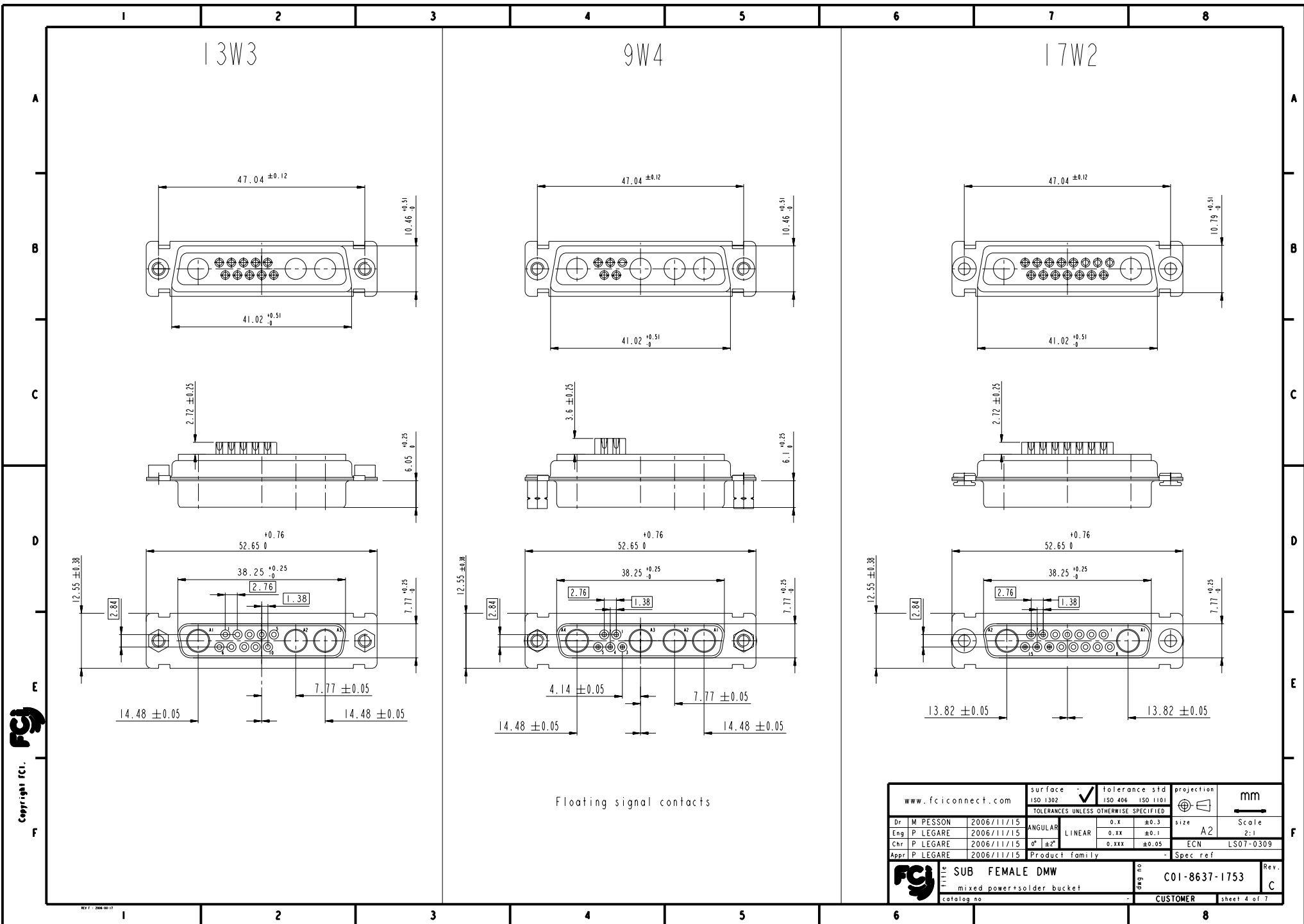
PART NUMBER	FRONT ACCESSORY
D*MxWxSN	without
D*MFxWxSN	Floating mounting
D*MLxWxSN	insert M3
D*MOxWxSN	insert UNC 4.40
D*MVxWxSN	female screw
D*MxWxS043N	without
D*MFxWxS043N	Floating mounting
D*MLxWxS043N	insert M3
D*MOxWxS03N	insert UNC 4.40
D*MVxWxS043N	female screw

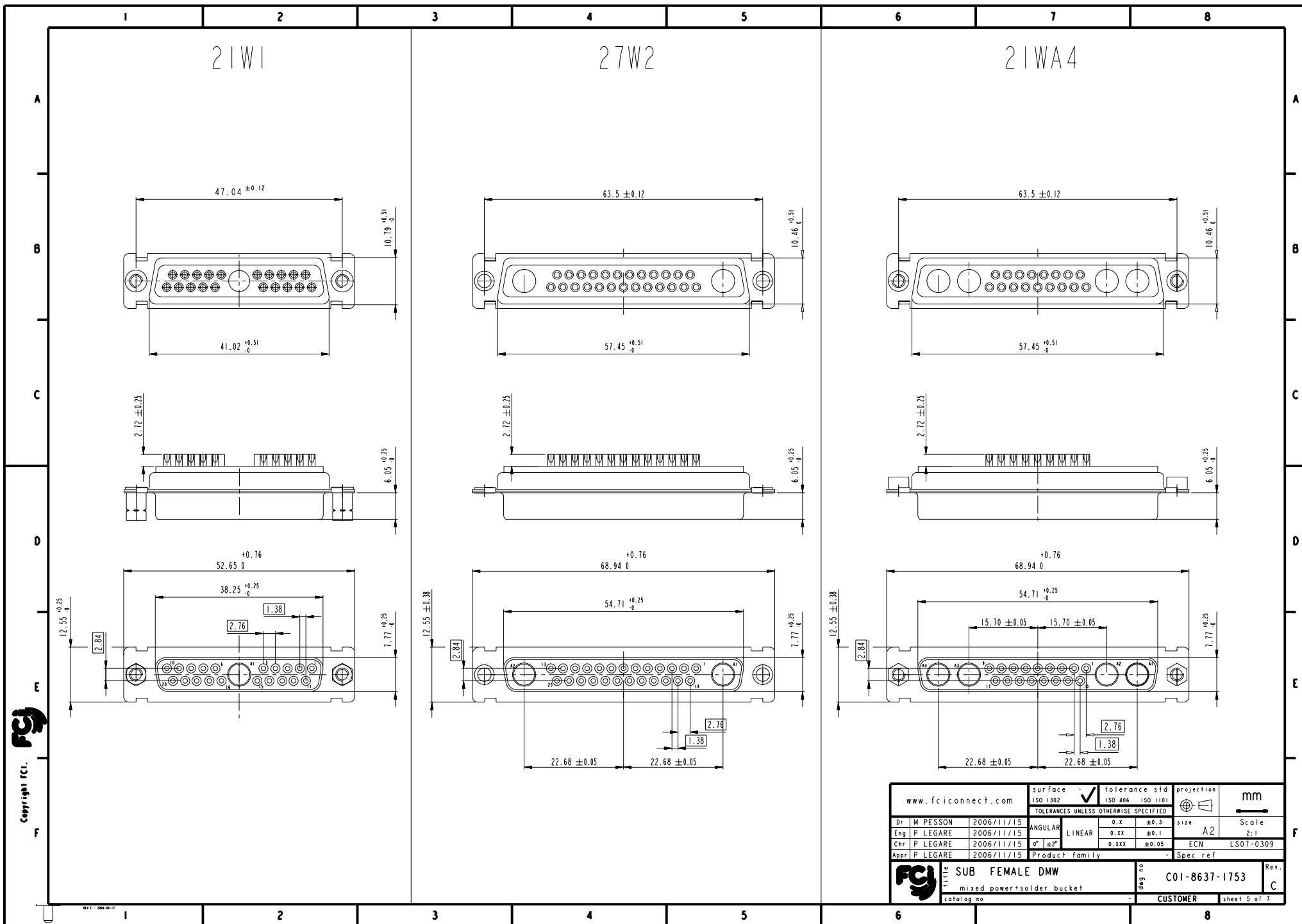
shell size	LAYOUTS
#	xWx
E	5W1
A	11W1
A	7W2
B	21W1
B	17W2
B	13W3
B	9W4
C	25W3
C	21WA4
C	27W2
D	47W1
D	24W7
D	36W4

SCALE: 4

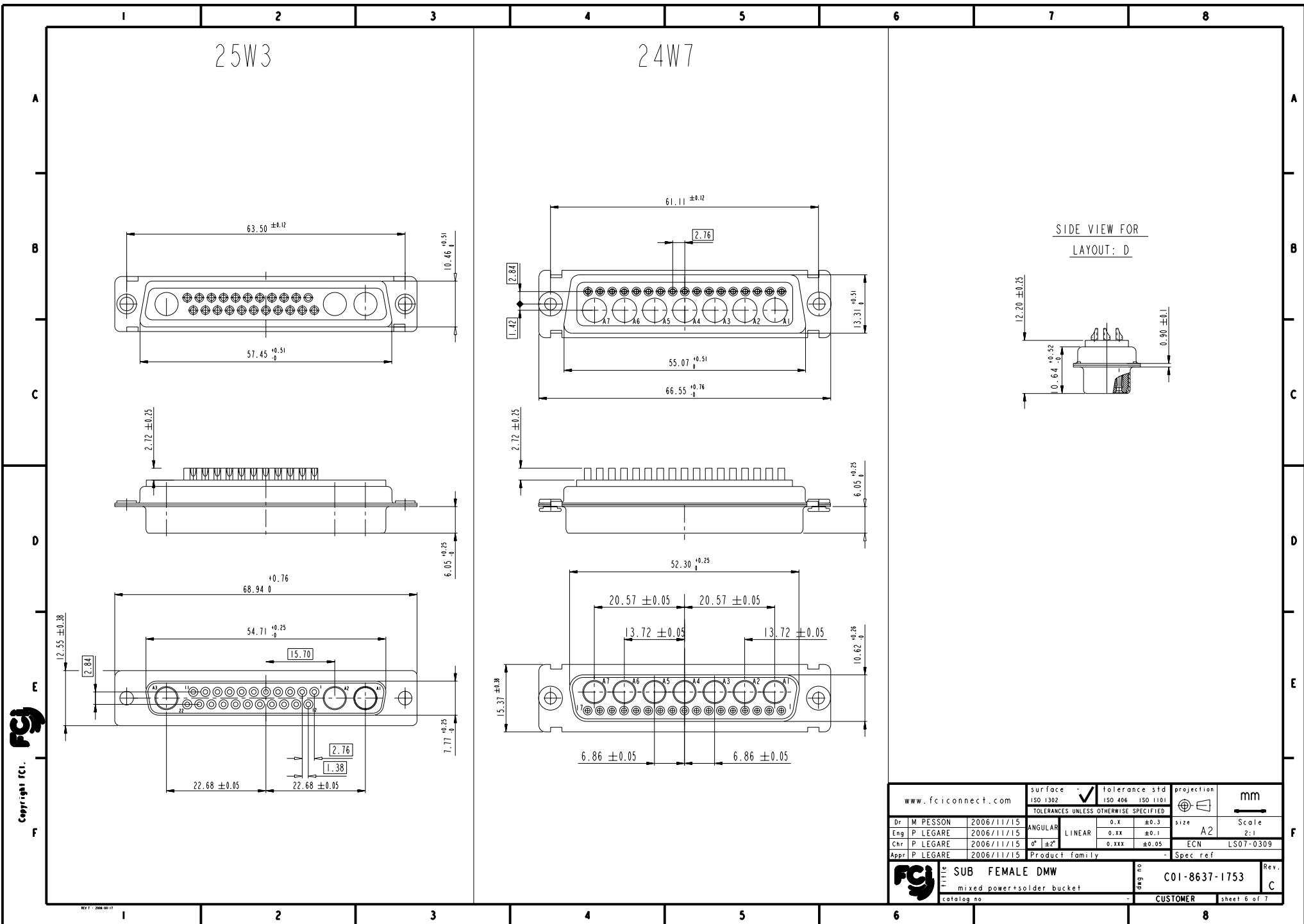
www.fciconnect.com		surface -	ISO 1302	tolerance std	ISO 406	ISO 1101	projection	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED					size	Scale
Dr	M PESSON	2006/11/15	ANGULAR	0.X	±0.3		A2	2:1
Eng	P LEGARE	2006/11/15	LINEAR	0.XX	±0.1		ECN	LS07-0309
Chr	P LEGARE	2006/11/15	0° ±2°	0.XXX	±0.05		Spec ref	
Appr	P LEGARE	2006/11/15	Product family					
Title		SUB FEMALE DMW		mixed power+solder bucket		C01-8637-1753		Rev.
catalog no				CUSTOMER		sheet 2 of 7		C

Copyright fci.

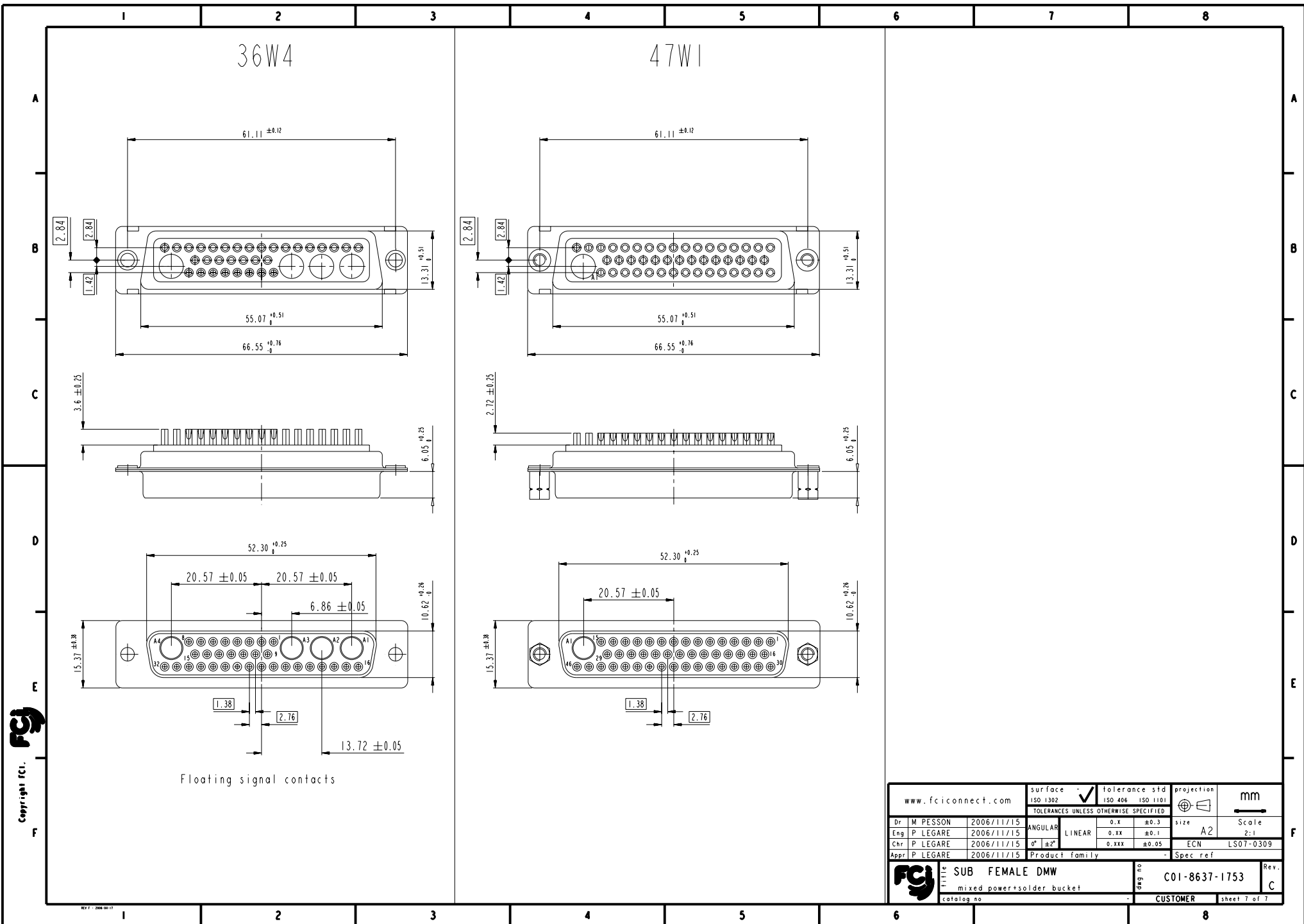




www.fciconnect.com		surface - ISO 1302	tolerance std ISO 406 ISO 1101	projection TOLERANCES UNLESS OTHERWISE SPECIFIED	mm
Dr M PESSON	2006/11/15	ANGULAR	0.X	±0.3	size A2
Eng P LEGARE	2006/11/15	LINEAR	0.XX	±0.1	Scale 2:1
Chr P LEGARE	2006/11/15	0° ±2°	0.XXX	±0.05	ECN LS07-0309
Appr P LEGARE	2006/11/15	Product family	- Spec ref		
SUB FEMALE DMW		mixed power+solder bucket		001-8637-1753	Rev. C
catalog no		CUSTOMER		sheet 5 of 7	



www.fciconnect.com		surface -	tolerance std	projection	mm
		ISO 1302	ISO 406	ISO 1101	
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	M PESSON	2006/11/15	ANGULAR	0.X	±0.3
Eng	P LEGARE	2006/11/15	LINEAR	0.XX	±0.1
Chr	P LEGARE	2006/11/15	0° ±2°	0.XXX	±0.05
Appr	P LEGARE	2006/11/15	Product family	Spec ref	
SUB FEMALE DMW		mixed power+solder bucket		catlog no	CUSTOMER
C01-8637-1753		Rev. C		sheet 6 of 7	



www.fciconnect.com			surface - ✓ tolerance std ISO 1302 ISO 406 ISO 1101			projection 		mm 	
TOLERANCES UNLESS OTHERWISE SPECIFIED									
Dr	M PESSON	2006/11/15	ANGULAR	0.X	±0.3	size	A2	Scale	2:1
Eng	P LEGARE	2006/11/15	LINEAR	0.XX	±0.1	ECN	LS07-0309		
Chr	P LEGARE	2006/11/15	0° ±2°	0.XXX	±0.05	Product family	-	Spec ref	
Appr	P LEGARE	2006/11/15							
			SUB FEMALE DMW			C01-8637-1753		Rev. C	
mixed power+solder bucket			-			CUSTOMER		sheet 7 of 7	
catalog no			-						